Intersection Operation

The existing cabinet, and controller are to be utilized. The phasing is to be modified to provide a right turn overlap for the westbound to northbound movement.

Construction Details

- A. Existing cabinet/controller are to be utilized.
- B. Install 12 in. x 30 ft. steel strain pole with 20 ft. luminaire arm, and 250 watt HPS luminaire (Note: two 3 in., 90-degree (Schedule 40) PVC bends). [Use four 1-3/4 in. x 90 in. anchor bolts.]
- C. Install 12 in. x 30 ft. steel strain pole with 20 ft. luminaire arm, and 250 watt HPS luminaire (Note: one 2 in., 90-degree (Schedule 40) PVC bend). [Use four 1-3/4 in. x 90 in. anchor bolts.]
- D. Install handhole.
- E. Install 1 in. liquid tight, non-metallic conduit for loop detector sleeve.
- F. Install 2 in. polyvinyl chloride (Schedule 40) electrical conduit trenched.
- G. Install 3 in. polyvinyl chloride (Schedule 40) electrical conduit trenched.
- H. Conduit for interconnect cable. Refer to interconnect plans.
- J. Install 4 in. polyvinyl chloride (Schedule 40) electrical conduit trenched.
- K. Install 4 in. polyvinyl chloride (Schedule 80) electrical conduit slotted.
- L. Install 6 ft. x 30 ft. quadrupole type vehicle loop detector (2-4-2 turns).
- M. Install 3/8 in. steel span wire and vehicle signal head as shown.
- N. Install 3/8 in. steel span wire, 1/4 in. tether wire, vehicle signal heads, and relocate existing sign as shown (Note: Provide approximately 25 ft. of additional electrical cable for each signal head for use during roadway construction phasing).
- O. Install 3/8 in. steel span wire, 1/4 in. tether wire, and vehicle signal heads as shown (Note: Provide approximately 25 ft. of additional electrical cable for each signal head for use during roadway construction phasing).
- P. Install 24 in. preformed white pavement marking for stop line.
- Q. Extend existing stop line with 24 in. preformed white pavement marking.
- R. Use existing handhole and splice new loopwire to existing 2—conductor aluminum shielded cable.
- S. Remove existing wood pole and all attached equipment.
- T. Remove existing span wire and all attached equipment.
- U. Cap and abandon existing conduit.
- V. Use existing conduit.
- W. Use existing span wire.
- X. Use existing strain pole.
- Y. Install 1 in. galvanized steel conduit for loop detector sleeve.

Equipment List "A"

Equipment to be supplied by the SHA.

Quantity Unit Description

- 1 EA 8 in./12 in., one-way, five section (8 in. R,Y,G / 12 in. YA,GA) adjustable traffic signal head — span wire mount.
- 12 in., one—way, three section (R,Y,G) adjustable traffic signal head span wire mount. EΑ 3
- 12 in., one—way, five section (R,Y,YA,G,GA) adjustable traffic 2 EA signal head — span wire mount.

Equipment List "B"

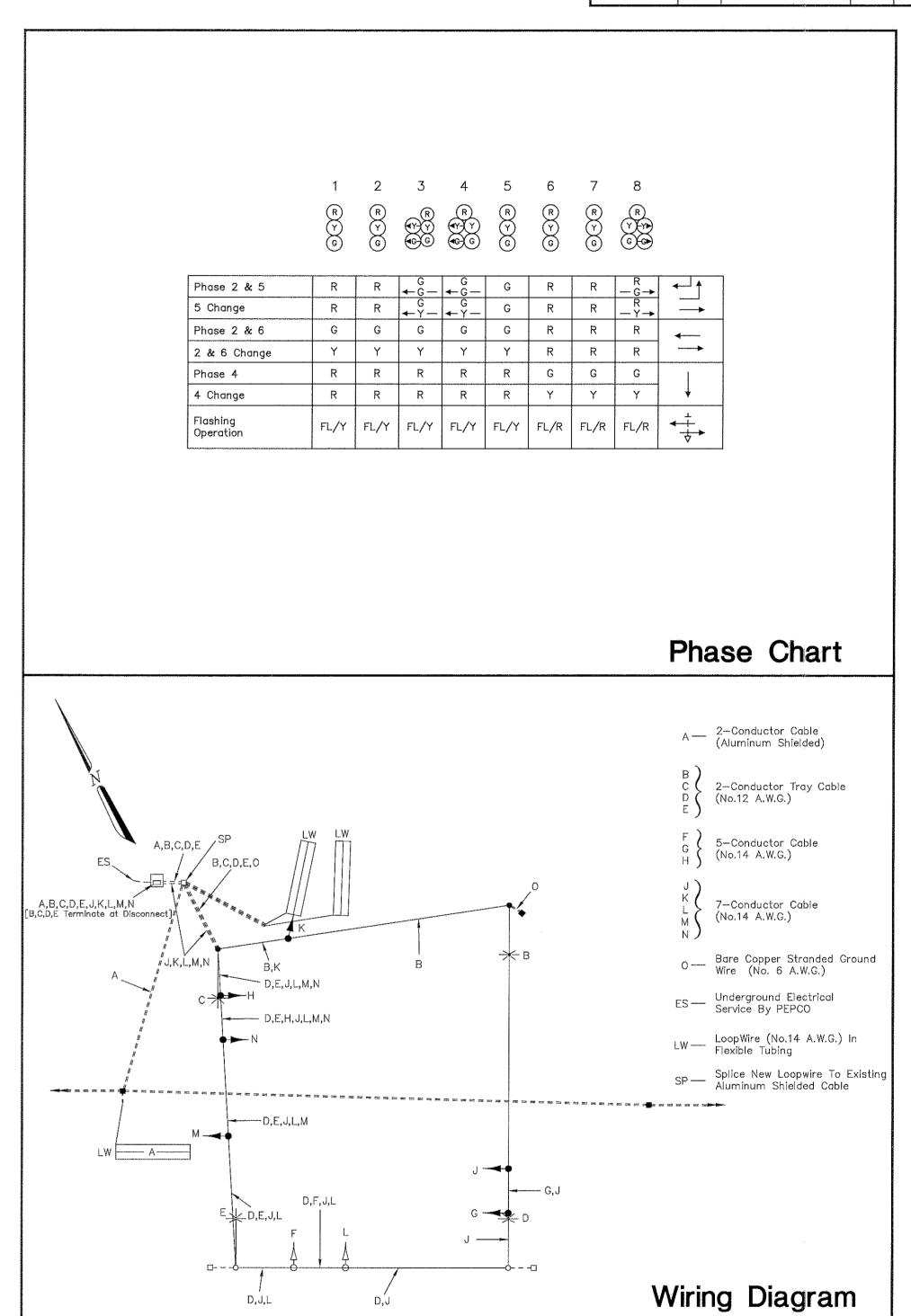
Equipment to be furnished and/or installed by the Contractor.

2 EA

Quantity	Unit	Description
2	CY	Test pit excavation.
75	LF	24 in. preformed white pavement marking for stop line.
2	EΑ	30 ft. steel strain pole.
3	EA	Handhole.
350	LF	Sawcut for signal loop detector.
1050	LF	Loop detector wire (No. 14 A.W.G.) encased in flexible tubing.
115	LF	2-conductor (aluminum shielded) electrical cable (No. 14 A.W.G.).
900	LF	2-conductor electrical tray cable (No. 12 A.W.G.).
125	LF	5-conductor electrical cable (No. 14 A.W.G.).
1100	LF	7-conductor electrical cable (No. 14 A.W.G.).
75	LF	Bare copper ground wire (No. 6 A.W.G.).
300	LF	1/4 in. tether wire.
450	LF	3/8 in. steel span wire.
70	LF	1 in. galvanized steel conduit for loop detector sleeve.
5	LF	 in. liquid tight, flexible, non-metallic conduit for loop detector sleeve.
10	LF	2 in. polyvinyl chloride (Schedule 40) electrical conduit — trenched.
60	LF	3 in. polyvinyl chloride (Schedule 40) electrical conduit — trenched.
100	LF	4 in. polyvinyl chloride (Schedule 40) electrical conduit — trenched.
130	LF	4 in. polyvinyl chloride (Schedule 80) electrical conduit — slotted.
6	CY	Concrete foundation for signal equipment.
3	EΑ	Ground rod — 3/4 in. diameter x 10 ft. length.
2	EA	20 ft. Luminaire arm with 250 watt HPS luminaire.
6	EA	Install traffic signal head — span wire mount.
10.5	SF	Relocate existing sheet aluminum signing — overhead mount.
LS	LS	Removal of existing traffic signal equipment.

Loop detector splice.

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Maintenance of Traffic

